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YATES PETROLEUM COMPANY
ZIA "28" FEDERAL CUM NO. 1
Wf-100115

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MEASURED INCL. HOLE DIRECTION DEPTH FEET DEGS. DEGS. TRUE VERTICAL SECTION FEET N/S FEET E/W DEGS. DISTANCE DIRECTION SEVERITY

MEASURED	INCL.	HOLE	DIRECTION	DEPTH	FEET	DEGS.	TRUE	VERTICAL	SECTION	FEET	N/S	FEET	E/W	DEGS.	DISTANCE	DIRECTION	SEVERITY
2500.00	.50	S 65.00 E		100.00	2499.74	-7.39		8.91 N	26.45 E	27.91' N 71.39 E							.17
2600.00	.70	S 52.00 E		100.00	2599.74	-6.80		8.36 N	27.35 E	28.60' N 72.99 E							.24
2700.00	1.00	S 75.00 E		100.00	2699.73	-6.06		7.71 N	28.66 E	29.68' N 74.95 E							.45
2800.00	1.10	S 71.00 E		100.00	2799.71	-5.43		7.17 N	30.42 E	31.25' N 76.73 E							.12
2900.00	1.20	S 86.00 E		100.00	2899.69	-4.92		6.77 N	32.39 E	33.08' N 78.19 E							.32
3000.00	1.00	N 88.00 E		100.00	2999.67	-4.78		6.74 N	34.30 E	34.95' N 78.89 E							.23
3100.00	.60	N 76.00 E		100.00	3099.66	-4.89		6.93 N	35.68 E	36.34' N 79.00 E							.43
3200.00	.00	N 73.00 E		100.00	3199.65	-5.15		7.26 N	36.85 E	37.56' N 78.86 E							.20
3250.00	.90	N 49.00 E		50.00	3249.65	-5.47		7.62 N	37.50 E	38.26' N 78.52 E							.73
3342.00	1.20	N 59.00 E		92.00	3341.63	-6.38		8.61 N	39.86 E	39.80' N 77.51 E							.38
3436.00	1.10	N 85.00 E		94.00	3435.61	-6.86		9.18 N	40.64 E	41.66' N 77.27 E							.56
3530.00	.90	N 75.00 E		94.00	3529.60	-7.05		9.47 N	42.25 E	43.30' N 77.37 E							.28
3625.00	1.20	N 58.00 E		95.00	3624.58	-7.76		10.27 N	43.78 E	44.97' N 76.80 E							.57
3717.00	1.10	N 38.00 E		94.00	3718.57	-9.04		11.62 N	45.09 E	46.56' N 75.55 E							.28
3813.00	1.00	N 13.00 E		94.00	3812.55	-10.54		13.16 N	45.83 E	47.68' N 73.98 E							.49
3907.00	.30	N 15.00 E		94.00	3906.54	-11.55		14.20 N	46.09 E	48.22' N 72.88 E							.74
4001.00	.70	N 45.00 E		94.00	4000.54	-12.23		14.90 N	46.49 E	48.82' N 72.23 E							.49
4096.00	.90	N 44.00 E		95.00	4095.53	-13.12		15.85 N	47.42 E	50.00' N 71.52 E							.21
4190.00	.70	N 31.00 E		94.00	4189.52	-14.12		16.88 N	48.22 E	51.09' N 70.70 E							.29
4284.00	.50	N 20.00 E		94.00	4283.52	-14.98		17.77 N	48.64 E	51.79' N 69.93 E							.24
4356.00	.50	S 14.00 W		72.00	4355.51	-14.83		17.65 N	49.04 E	52.12' N 70.20 E							1.39
4449.00	1.75	S 37.00 W		93.00	4448.49	-13.24		16.01 N	48.26 E	50.84' N 71.64 E							1.40
4542.00	4.00	S 40.00 W		93.00	4541.37	-9.76		12.36 N	45.35 E	47.01' N 74.75 E							2.42
4636.00	4.25	S 32.00 W		94.00	4635.13	-4.53		6.90 N	41.30 E	41.95' N 80.54 E							.67
4729.00	5.00	S 21.00 W		93.00	4727.82	1.97		.20 N	38.04 E	38.04' N 89.70 E							1.25

DIG MULTISHOT SURVEY TO 4284' MD